



Contents of KWD-globalpipe 988, 05.02.2026

Product News

1. GF: Strength and quality for commercial plumbing with Uponor ChlorFIT® 1
2. GF: Transition from PEX-a to Schedule 80 CPVC with new Uponor ProPEX® adapters 1
3. AQUATECHNIK NA: Safety-Plus System with Multi-Calor (multilayer) pipes beats steel..... 2
4. CONEX BÄNNINGER relaunches 3 CPD programs to empower industry professionals 3

Pre-Insulated Pipe News

5. ROVANCO: Insul-8® pre-insulated foam piping with high-performance..... 4
6. BRUGGROVANCO: Production start in USA of Rhinoflex® pre-insulated flexible pipe 4
7. ABN: Optimized data center cooling – efficiency & reliability with pre-insulated pipes 5
8. THE PIPE COMPANY: Common mistakes with pre-insulated pipes 6
9. Global Pre-Insulated Pipes Market: Growth driven by efficiency and decarbonization 6

Corporate News

10. ABN reinforces international growth with German POLYMELT GmbH acquisition 7
11. CHARLOTTE Pipe and Foundry Company and Neenah Foundry acquire Bingham&Taylor..... 8

GF: Strength and quality for commercial plumbing with Uponor ChlorFIT®

Strength and quality for commercial plumbing: With the launch of Uponor ChlorFIT, industry professionals and building occupants can all benefit from a complete polymer piping solution from one trusted source for PEX-a and Schedule 80 CPVC.

+GF+ GF Building Flow Solutions

KWD-globalpipe, 05.02.2026. From the pioneer in PEX-a pipe comes Uponor

uponor

ChlorFIT® Schedule 80 Corzan® CPVC for commercial domestic water applications. Now engineers, contractors, building owners, and end users can benefit from a lightweight, durable, and reliable polymer solution that provides labor and cost efficiencies as well as long-lasting service for greater success and sustainability in commercial projects.

With the introduction of Uponor ChlorFIT, designers and installers can benefit from a polymer hybrid piping solution that pairs Schedule 80 CPVC for mains and PEX-a for risers and in-unit applications, providing structures with the ideal combination for maximum reliability, performance, and installation ease.

With pipe in sizes from ½" to 8" along with fittings, valves, and industry-first ProPEX® transitions for connection to Uponor PEX-a, ChlorFIT offers the complete solution for professionals looking to incorporate the long-lasting, corrosion-resistant benefits of a polymer piping system into their designs and structures.

Contact: Uponor North America, www.uponor.com/en-us / GF Building Flow Solutions Americas, www.georgfischer.com



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GF: Transition from PEX-a to Schedule 80 CPVC with new Uponor ProPEX® adapters

In a first for the industry, the new and innovative ProPEX® Lead-Free (LF) Brass Schedule 80 Corzan® CPVC Adapters make transitioning from PEX-a expansion to Schedule 80 CPVC easier than ever. These were showcased at the recent AHR Expo.

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KWD-globalpipe, 05.02.2026. Code approved for both domestic hot-water and



cold-water applications as well as hydronic heating and cooling systems, these adapters provide a 50% decrease in the number of installation steps by eliminating the need for additional adapters, providing increased jobsite efficiencies and material cost savings for installing contractors along with improved system performance for building owners and occupants. The adapters also allow engineers to maximize designs to the full pressure rating available for a system (because threaded connections require a 50% reduction in the pressure rating).



Efficiently transition from PEX-a to Schedule 80 CPVC with innovative Uponor ProPEX® adapters.

© GF

Available in ½" through 3" sizes and manufactured from trusted ProPEX lead-free brass and high-quality Corzan CPVC, the offering is designed for connection to iron pipe size (IPS) Schedule 80 CPVC pipe and fittings. And as with all Uponor ProPEX products, the ProPEX connection is proudly backed by an industry-leading 25-year warranty when used with Uponor PEX-a pipe.

To learn more about the Uponor ProPEX LF Brass Schedule 80 CPVC Adapters as well as the entire Uponor ChlorFIT Schedule 80 Corzan CPVC product line, go to www.uponor.com/en-us/solutions/chlorfit.

Contact: Uponor North America, www.uponor.com/en-us / GF Building Flow Solutions Americas, www.georgfischer.com

AQUATECHNIK NA: Safety-Plus System with Multi-Calor (multilayer) pipes beats steel

In today's construction and plumbing industries, speed, efficiency, and long-term reliability matter more than ever. That's why aquatechnik North America is proud to offer the Safety-Plus System with Multi-Calor (multi-layer) Pipes – a modern alternative to traditional steel installations that's already been tested and proven in demanding projects worldwide.



KWD-globalpipe, 05.02.2026. Lessons from Japan: A standout example comes from a major project in Japan, carried out by Takasago Thermal Engineering Co. Ltd. Here, the [Safety-Plus System](#) with Multi-Calor Pipes went head-to-head with traditional steel. The results were clear:

- **Faster installation:** The Safety-Plus System was installed in just four days, compared to seven and a half days with steel – a 47% reduction in labor time.
- **Easier handling:** Being much lighter than steel, Multi-Calor pipes simplified transportation and on-site logistics, cutting costs and improving safety.
- **Durability:** Built from a robust polymeric material, the pipes showed excellent resistance to chemicals, temperature, and stress, with a lifespan of 50+ years – outlasting steel.

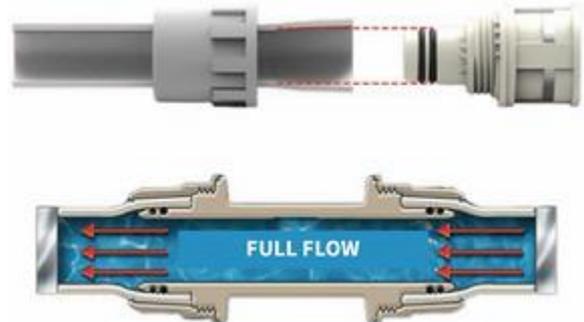


This project not only demonstrated measurable efficiency gains but also proved how Safety-Plus can deliver consistent, high-quality results in large-scale, real-world applications.

Smarter connections: One of the biggest advantages of the Safety-Plus System is its unique jointing method. Instead of relying on welding or threading like steel, the pipe ends are flared to create a wide surface for connection. The fitting then locks in place with two levels of protection:

- **Mechanical seal:** The cap physically clamps the pipe and fitting together, giving the joint strength and stability.
- **Hydraulic seal:** An O-ring inside the joint ensures a completely watertight connection, preventing leaks even under high pressure.

Because the flaring and assembly process is the same for every pipe size, installation is standardized and repeatable. This reduces the chance of mistakes, shortens training time for installers, and guarantees consistent quality across an entire project.



Safe, leak-proof and highly durable connections with Safety-Plus Fittings © aquatechnik NA

While steel has long been the default for many North American projects, Safety-Plus offers a practical and proven alternative. By choosing a system that is lighter, faster to install, longer lasting, and safer, contractors and building owners gain a clear advantage in performance and efficiency.

Contact: aquatechnik NA, USA, <https://aquatechnikna.com/> / [Full press release](#)

CONEX BÄNNINGER relaunches 3 CPD programs to empower industry professionals

Conex Bänninger, global leader in manufacturing of pipe fittings and valves, has re-introduced three new CIBSE-approved Continual Professional Development (CPD) programs aimed at architects, specifiers, mechanical consultants/contractors and design engineers.

CB Conex Bänninger KWD-globalpipe, 05.02.2026. Lisa Cox, National Sales Manager – UK & Ireland, commented: “The importance of Continual Professional Development (CPD) has never been greater. As the UK’s construction industry ramps up, professionals with up-to-date knowledge of the latest working methods and technologies have a competitive edge.”

The three CPD topics covered are:

- ‘Re-assessing the implications of copper press-fitting as an alternative to copper brazing for building services.’ Attendees will be made aware of what’s driving change, together with an insight into improvements and new developments in copper plumbing and HVAC pipe jointing.
- ‘Designing with materials and methods for MEP Services.’ This CPD will cover the advantages and disadvantages of modern technologies and how they are changing the way trade professionals are working. Among the major changes highlighted is the significant reduction in hot works.
- ‘Stainless steel press-fit systems for plumbing applications.’ The main objectives of this CPD include: the technical and healthcare benefits of stainless steel ‘press-fit’, suitable types of applications and proprietary design and installation aspects of stainless steel ‘press-fit.’



Lisa Cox
National Sales Manager
UK & Ireland
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The CPD training is undertaken at the Conex Bänninger HQ at Global House in Kingswinford, Dudley or at a customer’s premises or 3rd party location. Interested parties can also attend the course via Teams.

Contact: Conex Universal Limited, an IBP GROUP company, UK, <https://conexbanninger.com/en-gb>

ROVANCO: Insul-8® pre-insulated foam piping with high-performance

In little more than a decade, foam pre-insulated piping has revolutionized the industry with high-performance systems capable of carrying liquids at controlled temperatures ranging from -350° F to +400° F, and with a K factor less than half that of ordinary insulation.



KWD-globalpipe, 05.02.2026. Rovanco Piping Systems is a leading manufacturer of pre-engineered, pre-fabricated, pre-insulated pipe and piping systems.

Insul-8® pre-insulated below ground foam:

Rovanco's Insul-8® pre-insulated piping is manufactured at its Joliet, Illinois plant to provide simple field installation. It has been specified for many diverse projects requiring both a wide range of carrier pipe and protective jacket materials. Common to each of Rovanco's Piping System, is an exacting process through which foam uniformly fills the space between the carrier pipe and jacket.

Available with polyurethane foam, 300°F or 400°F polyisocyanurate foam insulation. Infrared heat sensing device is used to scan the full length of the pipe checking for any voids after filling.

Insul-8® pre-insulated above ground foam

A water tight solution that is the most energy efficient above ground pre-insulated piping system for steam, condensate, high temp hot water, domestic water, diesel exhaust fluid and more. Piping comes pre-insulated with metal cover, insulation and carrier pipe in a completely sealed, watertight unit. The same foam injection process is carefully followed & tested just as described in the copy above for our below ground system.

Above ground piping is quickly proving to be a suitable replacement for traditional underground piping when moving hot and cold fluids from a source to a destination.

Contact: Rovanco Piping Systems, Inc., USA, www.rovanco.com / [Full article](#)



© Rovanco

BRUGGROVANCO: Production start in USA of Rhinoflex® pre-insulated flexible pipe

In collaboration with BRUGG Pipes, Rovanco Piping Systems has opened the first production plant for the flexible pipe system RHINOFLEX® in the USA. This marks the official US production of RHINOFLEX® at Rovanco's manufacturing campus in the Chicago metropolitan region - a key milestone in Rovanco's growth strategy.



KWD-globalpipe, 05.02.2026. In April 2024, Rovanco and BRUGG Pipes announced the joint venture. Within just over fourteen months, a new 54,000 square foot production facility was built at the Rovanco site in Joliet, IL USA, the production line was installed and the first pre-insulated flexible pipe ready for sale was produced around a month ago. Delivery of the first pipe coils is scheduled for July 2025.

The new plant has the capability producing between 3,000 and 5,000 feet of the energy-efficient RHINOFLEX® pipe – manufactured by BRUGG Pipes – every day. The flexible, pre-insulated pipe system is ideal for local and district heating applications as well as for hot and cold potable water pipes. Thanks to a high-performance polyurethane foam, RHINOFLEX® achieves excellent insulation values and high energy efficiency - optimized for modern, climate-friendly infrastructures.

RHINOFLEX® pre-insulated PEX and Polyethylene comes in the longest lengths available from any supplier of flexible pre-insulated piping. The long lengths of flexible pre-insulated RHINOFLEX® result

in few or no underground joints and up to 60% less labor resulting in an installed cost savings of 25 to 40%.

Currently, around 80% of the raw materials used are sourced from the USA. Chad Godeaux, President of Rovanco Piping Systems, is excited with the start of production in the states: "This new production facility located right here in the Midwest of the United States of America will allow us to drastically reduce delivery times, save on import taxes and save a great deal on international shipping costs. We will now have an even greater competitive advantage in the marketplace for 6" and smaller pre-insulated pipe."



Rhinoflex PEX & HDPE flexible pipe © Rovanco

Flexible pre-insulated piping has taken over the market for 5 1/2" and smaller pre-insulated pipe because it is a high-quality product and it has the lowest installed cost of any pre-insulated pipe.

Contact: BRUGG USA: BRUGGROVANCO LLC (Production site) and BRUGG Pipesystems LLC (US Headquarters) USA, www.bruggpipes.com / Rovanco Piping Systems, Inc., USA, www.rovanco.com / [Full press release](#)

ABN: Optimized data center cooling – efficiency & reliability with pre-insulated pipes

Data centre cooling is critical to modern digital infrastructure, as rising rack energy densities – fueled by AI, high-performance computing, and cloud services – demand stable, efficient thermal management to ensure uninterrupted service in mission-critical environments.



KWD-globalpipe, 05.02.2026. In this scenario, pre-insulated pipes are a key ally. By reducing energy losses, preventing condensation and maintaining uniform thermal control, they contribute to the efficiency and safety of liquid cooling systems in high-density data centers. In this scenario, pre-insulated pipes are a key ally. By reducing energy losses, preventing condensation and maintaining uniform thermal control, they contribute to the efficiency and safety of liquid cooling systems in high-density data centers.

The challenge of cooling high-density data centers: Rising server energy demands require advanced cooling solutions. Traditional air-based methods are now impractical at higher heat loads, driving a shift toward liquid cooling for its superior thermal efficiency. In these systems, the distribution infrastructure is crucial: efficient chillers and heat exchangers must be paired with pre-insulated piping to ensure fluids reach each component at the optimal temperature.

A detailed [blog post](#) by Spanish company ABN provides answers to the following questions:

1. The challenge of cooling high-density data centers / 2. Limitations of traditional cooling in data centers / 3. Why pre-insulated pipes are essential in data centers / 4. Energy efficiency in data centers and critical environments / 5. Safety and reliability in critical environments

The future of cooling in high-density data centers

The increasing density of racks and the rise of energy-intensive applications place data center cooling at the center of the technical debate. To meet this need, it is not enough to improve air conditioning equipment: the entire distribution chain must be designed with efficiency and safety criteria in mind.

Pre-insulated pipes are an ideal solution to this challenge. Their ability to reduce losses, maintain thermal stability and prevent condensation makes them a fundamental component in liquid cooling for data centers. For engineers and specifiers, they represent a guarantee of energy efficiency and operational reliability in environments where service continuity is non-negotiable.

Contact: ABN Pipe Systems, S.L.U., Spain, www.abnpipesystems.com / [Full article](#)

THE PIPE COMPANY: Common mistakes with pre-insulated pipes

Pre-insulated pipes are widely used in HVAC systems, district energy, industrial processes, and underground installations due to their thermal efficiency and long-term performance. However, improper design, installation, or handling can significantly reduce their benefits.



KWD-globalpipe, 05.02.2026. As part of Grupo INCO®, The Pipe Company is a global manufacturer of pre-insulated piping systems designed for HVAC, district energy, and industrial applications. They help engineers, contractors, and infrastructure developers across the USA and Latin America complete high-performance projects with reliable, ready-to-install pipe solutions.

Pre-insulated pipes offer significant advantages in energy efficiency and system reliability when installed correctly. Most failures are not caused by the material itself, but by avoidable mistakes during design, handling, or installation.

By understanding and avoiding these common errors, projects can fully benefit from the long-term performance of pre-insulated pipes. [Common mistakes:](#)

- **Poor planning when using pre-insulated pipes:** Incorrect pipe selection for the application and ignoring local codes and design standards.
- **Installation errors with pre-insulated pipes:** Improper joint sealing in pre-insulated pipes, damaging the insulation during installation, moisture infiltration in pre-insulated pipes, lack of proper moisture barriers, and poor drainage around pre-insulated pipes.
- **Thermal expansion issues in pre-insulated pipes:** Not accounting for expansion and contraction.
- **Incorrect storage and handling of pre-insulated pipes:** Improper storage before installation.

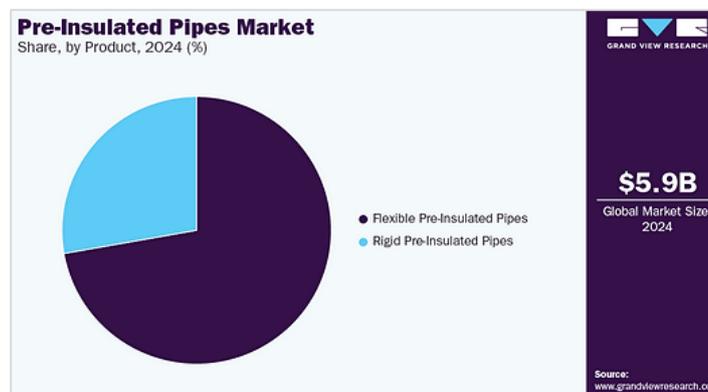


Pre-insulated pipes from The Pipe Company, with inner pipes made from PVC, CPVC, HDPE, steel, copper, PP-R or PEX. Understanding the most common mistakes with pre-insulated pipes can help engineers, contractors, and project managers avoid costly failures and ensure system reliability.
© The Pipe Company

Contact: The Pipe Company, USA, <https://thepipecompany.com/home> / [Full article](#)

Global Pre-Insulated Pipes Market: Growth driven by efficiency and decarbonization

The global market for pre-insulated pipes is gaining strategic importance as energy efficiency, decarbonization and resilient infrastructure move higher on political and industrial agendas worldwide. Used mainly in district heating and cooling, oil & gas, and industrial applications, these systems are increasingly preferred for their thermal efficiency, durability and lifecycle cost advantages.



KWD-globalpipe, 05.02.2026. The global pre-insulated pipes market has developed from a niche solution into a core component of modern energy and fluid transport infrastructure. Pre-insulated pipe systems typically consist of a carrier pipe, insulation layer and protective outer jacket, enabling efficient transport of hot or cold media with minimal thermal losses. Their role is particularly critical in district heating and cooling networks, which are expanding rapidly as cities seek to reduce carbon emissions and improve energy efficiency.

Market growth is underpinned by rising investments in district heating and cooling, industrial process optimization, and modernization of aging pipeline infrastructure. Steel-based systems remain dominant

in high-temperature and high-pressure applications, while plastic-based pre-insulated pipes are gaining share in low- and medium-temperature networks due to corrosion resistance, ease of installation and lower total cost of ownership. The market shows steady expansion across both mature regions and emerging economies.

Key trends include the shift toward low-temperature district heating networks, increased use of flexible and polymer-based pipe systems, and the integration of digital monitoring solutions such as leak detection and condition monitoring. Sustainability is another defining trend, with manufacturers focusing on improved insulation materials, recyclable components and lower carbon footprints across the value chain.

Major growth drivers include stricter energy efficiency regulations, urbanization, expansion of renewable energy-based heating systems, and the replacement of obsolete pipeline networks. Government-backed infrastructure programs and climate targets are accelerating investments, particularly in Europe and parts of Asia. In addition, the long service life and reduced heat losses of pre-insulated pipes offer compelling economic benefits for operators.

Headwinds: Despite positive fundamentals, the market faces several challenges. High upfront investment costs compared with conventional piping, volatility in raw material prices, and supply chain disruptions can delay projects. In some regions, limited technical expertise and slower regulatory approvals also restrain adoption.

Significant opportunities lie in emerging markets where urban infrastructure and district energy systems are still underdeveloped. Retrofitting existing networks, expanding district cooling in warmer climates, and integrating pre-insulated pipes into renewable energy systems such as geothermal and waste heat recovery offer strong long-term potential. Technological innovation and standardization can further reduce costs and improve market penetration.

Regional analysis

- **Europe** remains the leading market, driven by extensive district heating networks, ambitious climate policies and ongoing renovation of infrastructure. Northern and Eastern European countries are particularly advanced in adoption.
- **Asia-Pacific** is the fastest-growing region, supported by rapid urbanization, industrial growth and increasing government focus on energy efficiency, especially in China and India.
- **North America** shows moderate but steady growth, with district heating and industrial applications as key segments.
- The **Middle East and Africa**, along with parts of Latin America, represent emerging opportunities, particularly for district cooling and large-scale infrastructure projects.

Outlook: Looking ahead, the global pre-insulated pipes market is expected to grow steadily over the coming decade. The transition toward low-carbon energy systems, combined with infrastructure renewal and technological advances, will continue to support demand. Companies that focus on sustainable materials, system integration and regional expansion are likely to be best positioned to benefit from the market's long-term growth trajectory.

Source:

Data Bridge Market Research: [Global Pre-Insulated Pipes Market](#) / Expert Market Research: [Pre-Insulated Pipes Market](#) / Future Market Insights: [Global Pre-Insulated Pipe Market](#) / Grand View Research: [Pre-Insulated Pipes Market Report](#) / Market Research Future: [Pre-Insulated Pipes Market](#) / Research and Markets: [Pre-Insulated Pipes Market – Global Forecast](#) / SkyQuest Technology: [Pre-Insulated Pipes Market](#) / Technavio: [Pre-Insulated Pipes Market Industry Analysis](#)

ABN reinforces international growth with German POLYMELT GmbH acquisition

The transaction doubles the group's production capacity and consolidates its presence in Europe and EMEA. Polymelt GmbH, a German company based in Ebenhofen, will be renamed Polymelt Pipe Systems GmbH.



KWD-globalpipe, 05.02.2026. ABN has acquired the production and commercial capacity of Polymelt GmbH, a German company specializing in PP plastic piping systems.

The German company will be renamed Polymelt Pipe Systems and will become part of the ABN Pipe Corporate holding company. This incorporation will enable ABN to double its industrial capacity.

In addition, this alliance expands the portfolio of PP solutions for drinking water and generates key synergies in markets where both companies were already present.

ergies in markets where both companies were already present.

A historic relationship culminating in integration: The relationship between ABN and Polymelt dates back to the 1990s, when ABN was the exclusive distributor of the Polymutan brand in Spain and Portugal. Over the last decade, part of the manufacturing of these solutions has already been carried out at ABN's facilities in Medina del Campo. With this acquisition, ABN continues a shared history, culminating in the full integration of the German company into the group.

Technology, sustainability, and global vision: The integration of Polymelt Pipe Systems strengthens ABN's ability to offer technologically advanced, sustainable systems certified under the most demanding international standards. It is another step toward a future where energy efficiency, innovation, and responsible growth go hand in hand.

POLYMELT Pipe Systems GmbH manufactures plastic pipes and fittings, as well as customized solutions, made from PP-R and PP-RCT. These are now in use all over the world in residential construction, industrial plants, public facilities, cultural sites, and commercial buildings.

Contact: ABN Pipe Systems, S.L.U., Spain, www.abnpipesystems.com / POLYMELT Pipe Systems GmbH, Germany, www.polymelt.com

CHARLOTTE Pipe and Foundry Company and Neenah Foundry acquire Bingham&Taylor

Charlotte Pipe and Foundry Company, in conjunction with Neenah Foundry Company have announced the purchase of Bingham & Taylor, a family-owned manufacturer of underground infrastructure access solutions serving water and gas utility customers across North America.

CHARLOTTE PIPE AND FOUNDRY COMPANY KWD-globalpipe, 05.02.2026. Headquartered in Culpeper, Virginia, Bingham & Taylor specializes in providing high-quality meter and valve access products, including boxes, lids, and pits, with a strong emphasis on American-made quality, innovation, and utility-grade durability.

"Founded in 1849 with over 175 years of continuous operation, Bingham & Taylor prides itself on its domestic manufacturing capabilities and a wide distribution network, and is the industry leader in its category," said Hooper Hardison, CEO of Charlotte Pipe and Foundry.

"**This strategic acquisition** continues our commitment to growing in the waterworks industry and builds on our acquisition of Neenah Enterprises (now Neenah Foundry) in 2022. It also leverages our core competencies of producing iron castings and plastics manufacturing. Bingham & Taylor's strong culture and long-standing reliance on 100% Made In America make it an ideal fit."

Charlotte Pipe and Foundry is the nation's leading manufacturer of cast iron and plastic pipe and fittings for plumbing applications. Founded in 1901 and privately held, Charlotte Pipe and Foundry is headquartered in Charlotte, North Carolina, and operates eight manufacturing plants across the United States.

A wholly owned subsidiary of Charlotte Pipe and Foundry, **Neenah Foundry** is a preeminent manufacturer of municipal castings.

Contact: Charlotte Pipe and Foundry Company, USA, www.charlottepipe.com / [Full press release](#)